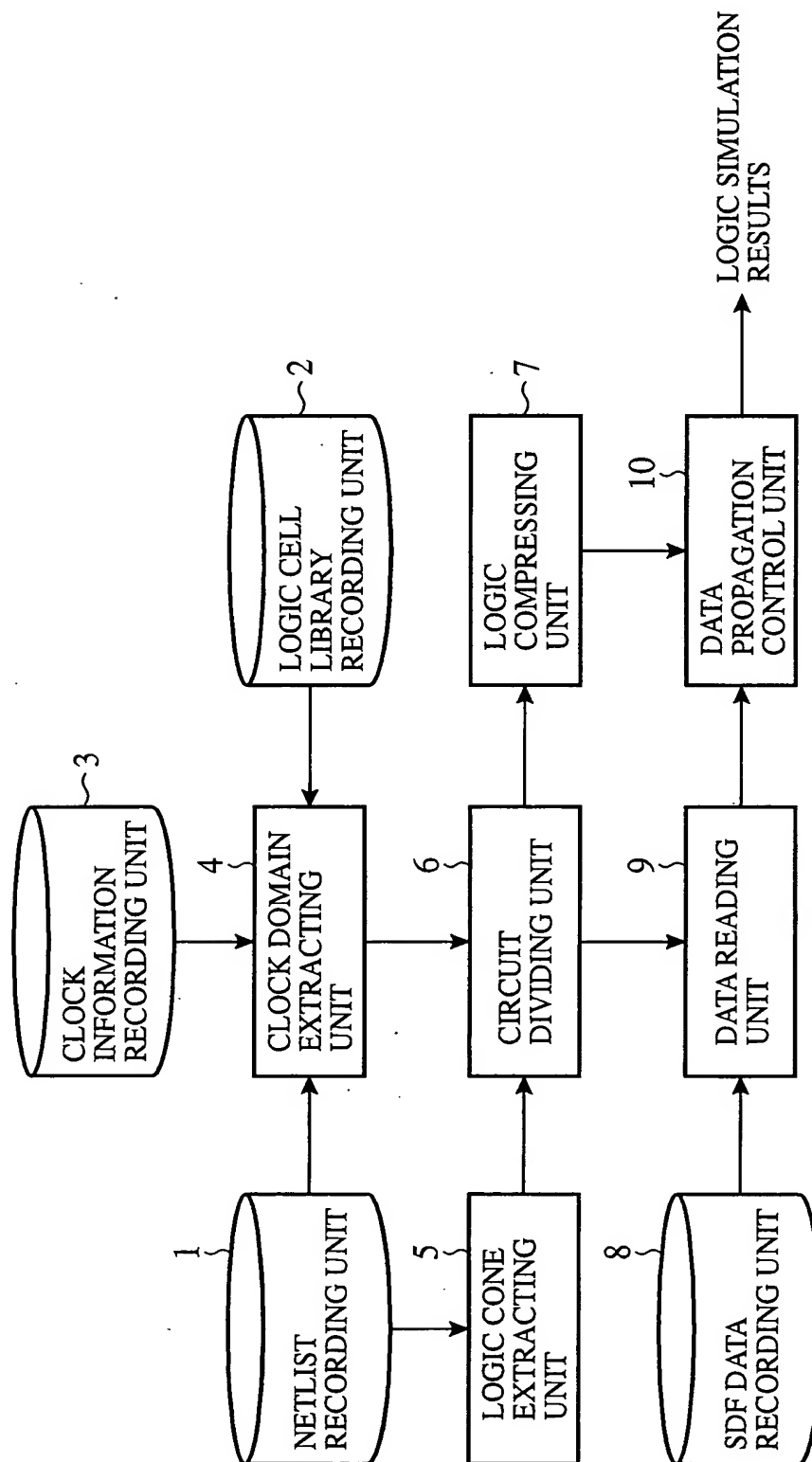


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FIG.1



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FIG.2

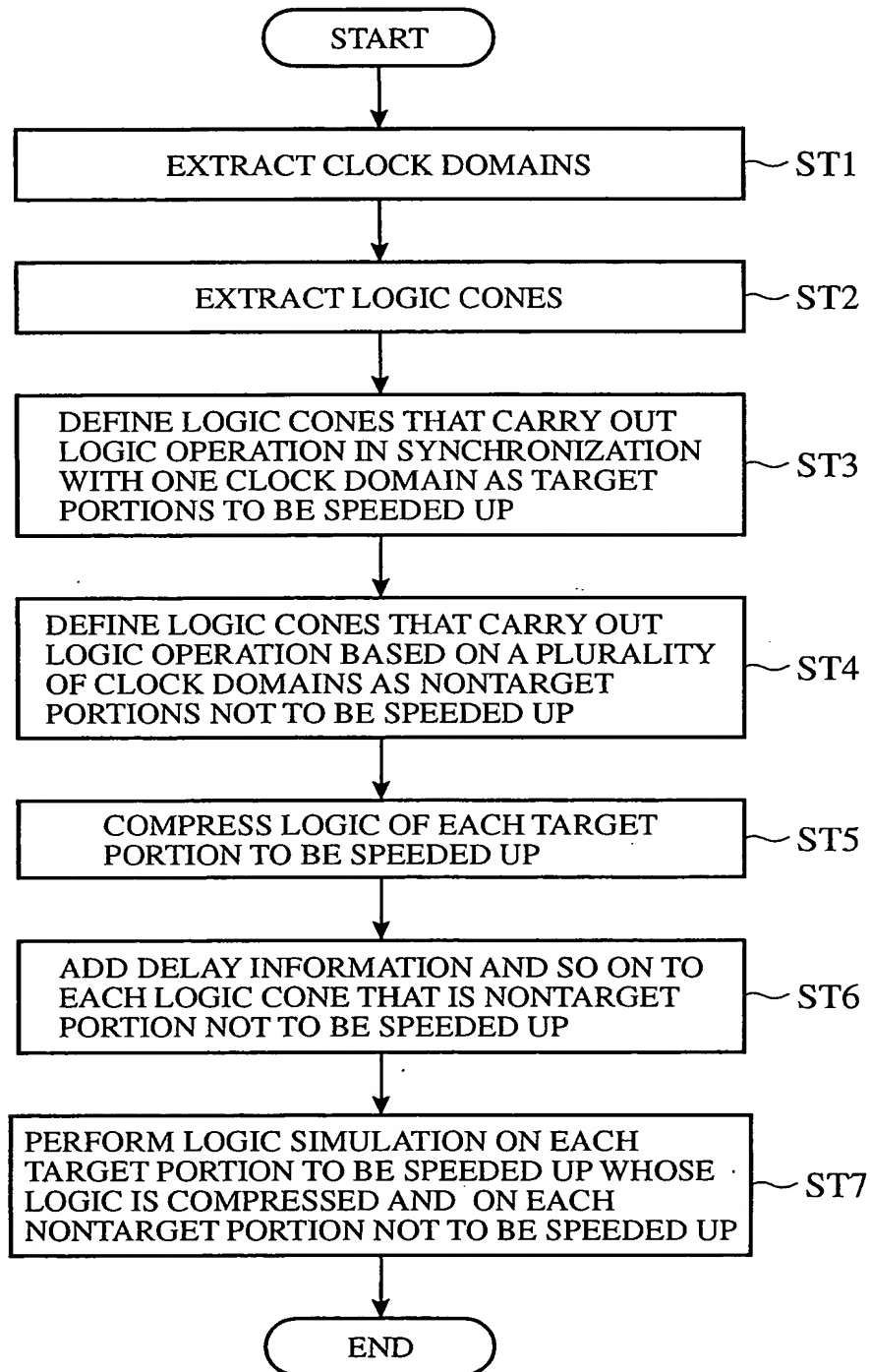
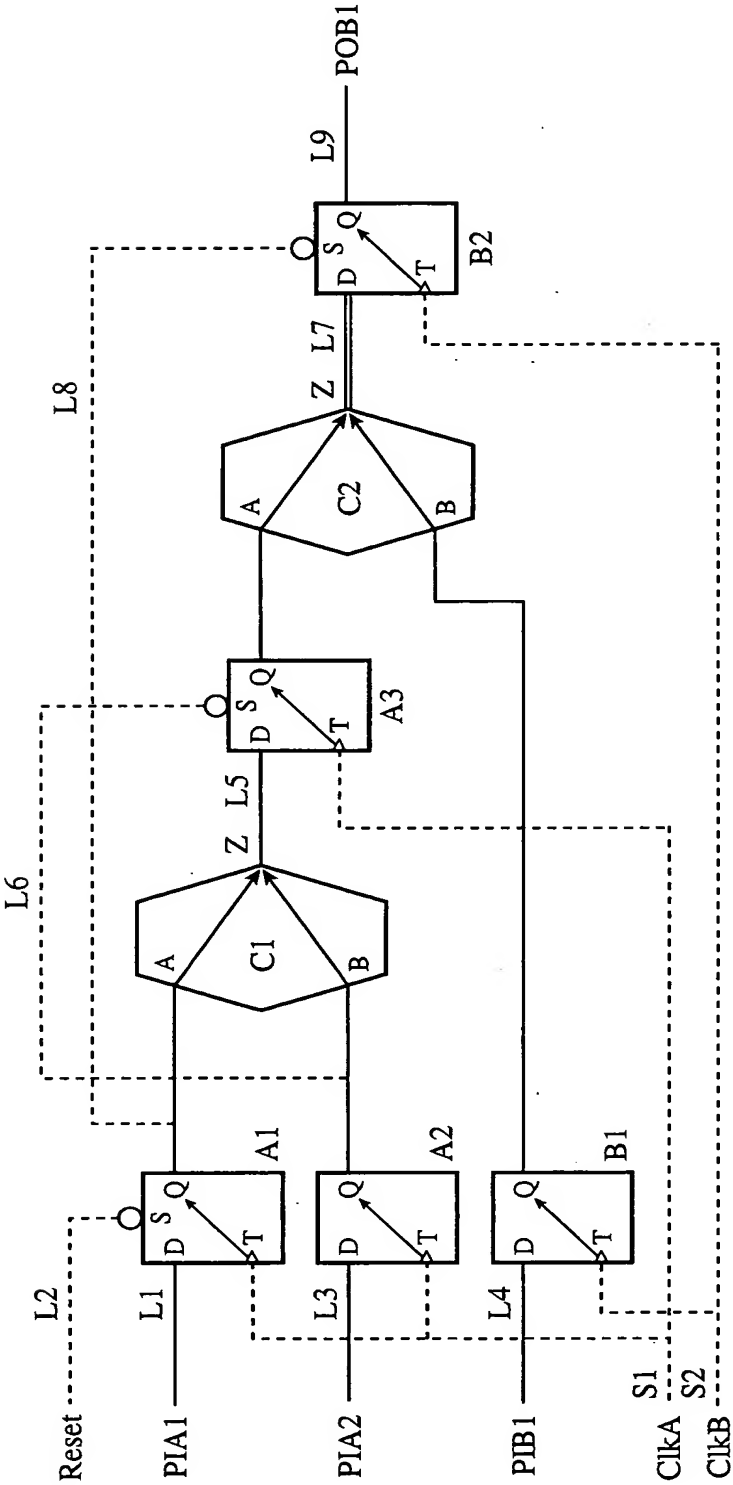


FIG.3



TARGET PORTIONS TO BE
SPEEDED UP

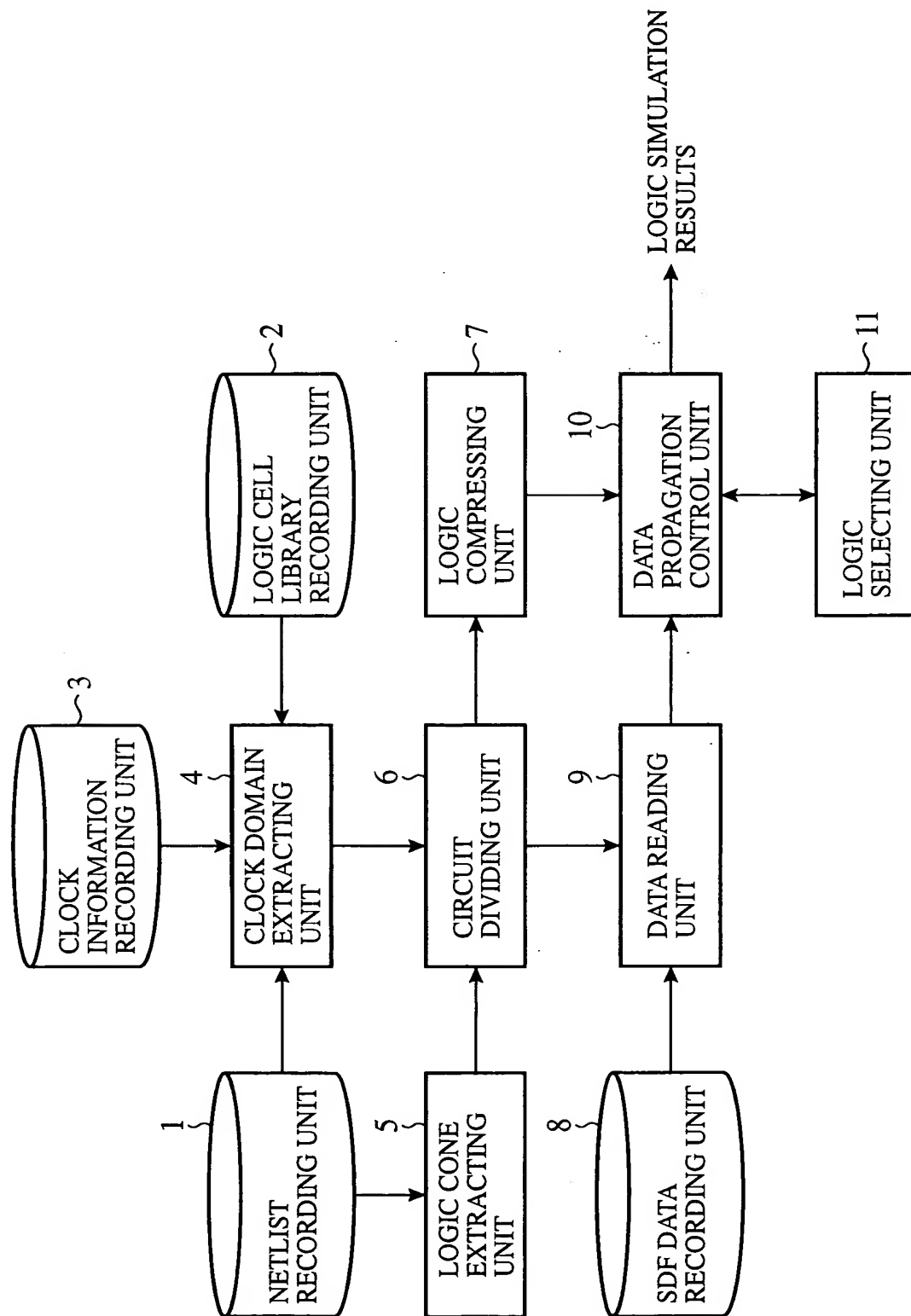
- L1: PIA1 → A1/D
- L3: PIA2 → A2/D
- L4: PIB1 → B1/D
- L5: A1/Q, A2/Q → A3/D
- L9: B2/Q → POB1

NONTARGET PORTIONS NOT TO
BE SPEEDED UP

- L2: Reset → A1/S
- L6: A2/Q → A3/S
- L7: A3/Q, B1/Q → B2/D
- L8: A1/Q → B2/S
- S1: ClkA → A1/T, A2/T, A3/T
- S2: ClkB → B1/T, B2/T

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FIG. 4



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FIG. 5

